CAIT
Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	The Development of a Performance Specification for Granular Base and Subbase Material
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Mr. Anthony Chmiel
TASK ORDER NUMBER/Study Number: Task Order No. 83 / 4-23914	PRINCIPAL INVESTIGATOR: Dr. Ali Maher
Study Start Date: 03/01/2000 Study End Date: 08/31/2003	Period Covered: 1st Quarter 2002

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search	5%	25%	100%	5%
1. Material Collection	5%	40%	100%	5%
2. Laboratory Testing	60%	5%	50%	30%
3. Calibration	10%	10%	20%	2%
4. Reporting	20%	0%	0%	0%
Final Report				
TOTAL	100%			42%

1. Progress this quarter by task:
   - A. Permeability testing was re-run on some of the samples due to a compaction issue. The natural gradations of the DGABC were not compacted to the modified compaction effort as specified by the NJDOT. Therefore, these samples were tested again. Also, samples that were run in the currently used rigid permeability device that had issues compacting were also re-tested in a compaction mold permeability device. Samples that had little difficulty compacting in the original rigid mold permeability device were again tested in the compaction mold device to make sure the results were valid. Once it was concluded that the results matched, testing resumed on the materials that were difficult to compact.

2. Proposed activities for next quarter by task:
   - A. Both I-3 and DGABC continue to be sieved and blended to provide the required gradation for testing. The materials, once blended, will then be stored for future compaction of triaxial test, resilient modulus, and permanent deformation samples.
   - B. Continue the collection RAP and RCA for evaluation. The materials will be evaluated for grain size, compaction, and permeability characteristics.
   - C. The upgrade for the resilient modulus system will be starting in the near future. It is a concern that testing start before the upgrade and then occur after. Therefore, until the upgrade finishes, the triaxial, resilient modulus, and permanent deformation work will be put on hold.
   - D. Initial gradation and compaction testing on the RAP material should begin.

3. List of deliverables provided in this quarter by task (product date)
   N.A.

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4. Progress on Implementation and Training Activities

N.A.

5. Problems/Proposed Solutions

N.A.

6. Budget Summary*

Total Project Budget(# of years)	2 Years	$286,041.00
Total Project Expenditure to date		$168,619
% of Total Project Budget Expended		59.0%
Task Order Number/Study Number:		83 / 4-23914
Current Task Order Budget (# of years)	Year 1 and 2	$286,041.00
Actual Expenditure to date against current task order		$168,619
% of current task order budget expended		59.0%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.